

APPENDIX J:
SUPPORTING DATA FOR LOCAL FIRE AND EMS ¾ COMMUNICATIONS
KNOWLEDGE AND TRAINING (SECTION 6)

Table J-1: Familiarity with Current Wireless Communications and Interoperability Initiatives

		Project 25 Standards										Avg
		1		2		3		4		5		
		n	%	n	%	n	%	n	%	n	%	
Agency Size	1-24	171	88.6%	12	6.2%	5	2.6%	1	.5%	4	2.1%	1.21
	25-49	168	83.2%	25	12.4%	7	3.5%			2	1.0%	1.23
	50-99	111	81.6%	9	6.6%	12	8.8%	3	2.2%	1	.7%	1.34
	100-249	195	65.2%	35	11.7%	30	10.0%	19	6.4%	20	6.7%	1.78
	250+	35	27.8%	19	15.1%	28	22.2%	30	23.8%	14	11.1%	2.75
Agency Type	Fire Departments	543	70.3%	85	11.0%	65	8.4%	46	6.0%	33	4.3%	1.63
	EMS Departments	106	75.2%	12	8.5%	11	7.8%	5	3.5%	7	5.0%	1.55
	Special	31	72.1%	3	7.0%	6	14.0%	2	4.7%	1	2.3%	1.58

		FCC Refarming										Avg
		1		2		3		4		5		
		n	%	n	%	n	%	n	%	n	%	
Agency Size	1-24	145	75.1%	19	9.8%	22	11.4%	3	1.6%	4	2.1%	1.46
	25-49	117	57.6%	44	21.7%	28	13.8%	13	6.4%	1	.5%	1.70
	50-99	70	51.1%	24	17.5%	27	19.7%	15	10.9%	1	.7%	1.93
	100-249	127	42.8%	51	17.2%	64	21.5%	28	9.4%	27	9.1%	2.25
	250+	20	15.9%	24	19.0%	38	30.2%	24	19.0%	20	15.9%	3.00
Agency Type	Fire Departments	378	49.1%	128	16.6%	148	19.2%	70	9.1%	46	6.0%	2.06
	EMS Departments	75	52.4%	29	20.3%	22	15.4%	11	7.7%	6	4.2%	1.91
	Special	26	60.5%	5	11.6%	9	20.9%	2	4.7%	1	2.3%	1.77

		FCC Frequency Application										Avg
		1		2		3		4		5		
		n	%	n	%	n	%	n	%	n	%	
Agency Size	1-24	67	34.9%	45	23.4%	56	29.2%	16	8.3%	8	4.2%	2.23
	25-49	55	27.1%	49	24.1%	59	29.1%	27	13.3%	13	6.4%	2.48
	50-99	30	22.1%	32	23.5%	42	30.9%	26	19.1%	6	4.4%	2.60
	100-249	68	22.6%	65	21.6%	80	26.6%	53	17.6%	35	11.6%	2.74
	250+	12	9.7%	27	21.8%	31	25.0%	27	21.8%	27	21.8%	3.24
Agency Type	Fire Departments	182	23.6%	173	22.5%	214	27.8%	125	16.2%	76	9.9%	2.66
	EMS Departments	37	25.9%	33	23.1%	42	29.4%	20	14.0%	11	7.7%	2.55
	Special	13	30.2%	12	27.9%	12	27.9%	4	9.3%	2	4.7%	2.30

Table J-1: Familiarity with Current Wireless Communications and Interoperability Initiatives (continued)

		NPSPAC Process										Avg
		1		2		3		4		5		
		n	%	n	%	n	%	n	%	n	%	
Agency Size	1-24	167	87.4%	14	7.3%	5	2.6%	1	.5%	4	2.1%	1.23
	25-49	161	79.7%	26	12.9%	13	6.4%	1	.5%	1	.5%	1.29
	50-99	111	81.6%	14	10.3%	7	5.1%	3	2.2%	1	.7%	1.30
	100-249	202	67.3%	47	15.7%	20	6.7%	17	5.7%	14	4.7%	1.65
	250+	49	39.8%	29	23.6%	17	13.8%	11	8.9%	17	13.8%	2.33
Agency Type	Fire Departments	545	71.1%	111	14.5%	51	6.6%	30	3.9%	30	3.9%	1.55
	EMS Departments	112	78.9%	14	9.9%	8	5.6%	2	1.4%	6	4.2%	1.42
	Special	33	76.7%	5	11.6%	3	7.0%	1	2.3%	1	2.3%	1.42

		FCC Website										Avg
		1		2		3		4		5		
		n	%	n	%	n	%	n	%	n	%	
Agency Size	1-24	147	76.2%	22	11.4%	15	7.8%	4	2.1%	5	2.6%	1.44
	25-49	133	66.2%	40	19.9%	19	9.5%	4	2.0%	5	2.5%	1.55
	50-99	91	66.4%	25	18.2%	15	10.9%	4	2.9%	2	1.5%	1.55
	100-249	154	51.3%	61	20.3%	42	14.0%	25	8.3%	18	6.0%	1.97
	250+	33	26.4%	31	24.8%	32	25.6%	15	12.0%	14	11.2%	2.57
Agency Type	Fire Departments	461	59.8%	146	18.9%	89	11.5%	40	5.2%	35	4.5%	1.76
	EMS Departments	74	52.1%	26	18.3%	25	17.6%	8	5.6%	9	6.3%	1.96
	Special	23	53.5%	7	16.3%	9	20.9%	4	9.3%			1.36

		TIA/EIA-102 Specifications										Avg
		1		2		3		4		5		
		n	%	n	%	n	%	n	%	n	%	
Agency Size	1-24	175	91.1%	9	4.7%	3	1.6%	1	.5%	4	2.1%	1.18
	25-49	177	87.6%	18	8.9%	3	1.5%	2	1.0%	2	1.0%	1.19
	50-99	122	89.1%	10	7.3%	4	2.9%	1	.7%			1.15
	100-249	237	79.3%	36	12.0%	13	4.3%	8	2.7%	5	1.7%	1.35
	250+	75	61.5%	20	16.4%	15	12.3%	3	2.5%	9	7.4%	1.78
Agency Type	Fire Departments	631	82.3%	79	10.3%	31	4.0%	9	1.2%	17	2.2%	1.31
	EMS Departments	120	83.9%	11	7.7%	4	2.8%	5	3.5%	3	2.1%	1.32
	Special	35	83.3%	3	7.1%	3	7.1%	1	2.4%			1.29

		746-806 MHz Band										Avg
		1		2		3		4		5		
		n	%	n	%	n	%	n	%	n	%	
Agency Size	1-24	155	80.7%	14	7.3%	16	8.3%	3	1.6%	4	2.1%	1.37
	25-49	144	71.3%	33	16.3%	14	6.9%	6	3.0%	5	2.5%	1.49
	50-99	93	67.9%	21	15.3%	19	13.9%	3	2.2%	1	.7%	1.53
	100-249	153	50.8%	69	22.9%	41	13.6%	20	6.6%	18	6.0%	1.94
	250+	37	29.4%	29	23.0%	29	23.0%	17	13.5%	14	11.1%	2.54
Agency Type	Fire Departments	461	59.7%	139	18.0%	99	12.8%	41	5.3%	32	4.1%	1.76
	EMS Departments	90	62.9%	22	15.4%	17	11.9%	6	4.2%	8	5.6%	1.74
	Special	31	72.1%	5	11.6%	3	7.0%	2	4.7%	2	4.7%	1.58

Table J-2: Importance of Information Sources When Purchasing Communications Technology

		Equipment Manufacturers										Avg
		1		2		3		4		5		
		n	%	n	%	n	%	n	%	n	%	
Agency Size	1-24	13	6.7%	22	11.4%	57	29.5%	54	28.0%	47	24.4%	3.52
	25-49	12	6.0%	18	9.0%	45	22.4%	65	32.3%	61	30.3%	3.72
	50-99	7	5.3%	6	4.5%	28	21.1%	44	33.1%	48	36.1%	3.90
	100-249	12	4.0%	18	6.1%	69	23.2%	91	30.6%	107	36.0%	3.39
	250+	1	.8%	2	1.5%	21	16.0%	48	36.6%	59	45.0%	4.24
Agency Type	Fire Departments	34	4.4%	51	6.6%	175	22.8%	253	32.9%	255	33.2%	3.34
	EMS Departments	9	6.3%	12	8.3%	38	26.4%	38	26.4%	47	32.6%	3.71
	Special	2	4.7%	3	7.0%	7	16.3%	11	25.6%	20	46.5%	4.02

		Journals										Avg
		1		2		3		4		5		
		n	%	n	%	n	%	n	%	n	%	
Agency Size	1-24	48	25.7%	54	28.9%	62	33.2%	15	8.0%	8	4.3%	2.36
	25-49	46	23.1%	49	24.6%	72	36.2%	21	10.6%	11	5.5%	2.51
	50-99	23	17.4%	25	18.9%	55	41.7%	24	18.2%	5	3.8%	2.72
	100-249	44	14.9%	80	27.1%	110	37.3%	42	14.2%	19	6.4%	2.70
	250+	9	7.1%	21	16.5%	48	37.8%	35	27.6%	14	11.0%	3.19
Agency Type	Fire Departments	132	17.5%	187	24.7%	273	36.1%	118	15.6%	46	6.1%	2.68
	EMS Departments	33	23.1%	32	22.4%	58	40.6%	15	10.5%	5	3.5%	2.49
	Special	5	12.2%	10	24.4%	16	39.0%	4	9.8%	6	14.6%	2.90

		Trade Shows										Avg
		1		2		3		4		5		
		n	%	n	%	n	%	n	%	n	%	
Agency Size	1-24	73	39.0%	47	25.1%	47	25.1%	13	7.0%	7	3.7%	2.11
	25-49	51	25.6%	49	24.6%	65	32.7%	30	15.1%	4	2.0%	2.43
	50-99	32	24.4%	26	19.8%	41	31.3%	24	18.3%	8	6.1%	2.62
	100-249	49	16.7%	68	23.1%	95	32.3%	53	18.0%	29	9.9%	2.81
	250+	11	8.7%	22	17.3%	31	24.4%	41	32.3%	22	17.3%	3.32
Agency Type	Fire Departments	168	22.3%	168	22.3%	225	29.8%	135	17.9%	59	7.8%	2.67
	EMS Departments	42	29.6%	36	25.4%	39	27.5%	20	14.1%	5	3.5%	2.37
	Special	6	14.6%	8	19.5%	15	36.6%	6	14.6%	6	14.6%	2.95

		Consultants										Avg
		1		2		3		4		5		
		n	%	n	%	n	%	n	%	n	%	
Agency Size	1-24	54	29.0%	33	17.7%	48	25.8%	32	17.2%	19	10.2%	2.62
	25-49	42	21.3%	49	24.9%	55	27.9%	34	17.3%	17	8.6%	2.67
	50-99	33	25.2%	20	15.3%	43	32.8%	23	17.6%	12	9.2%	2.70
	100-249	49	16.7%	57	19.4%	89	30.3%	62	21.1%	37	12.6%	2.94
	250+	14	10.9%	22	17.1%	36	27.9%	32	24.8%	25	19.4%	3.25
Agency Type	Fire Departments	151	20.1%	148	19.7%	212	28.2%	149	19.8%	92	12.2%	2.34
	EMS Departments	32	22.4%	25	17.5%	50	35.0%	26	18.2%	10	7.0%	2.70
	Special	9	21.4%	8	19.0%	9	21.4%	8	19.0%	8	19.0%	2.95

Table J-2: Importance of Information Sources When Purchasing Communications Technology (continued)

		Other Government Agencies										Avg
		1		2		3		4		5		
		n	%	n	%	n	%	n	%	n	%	
Agency Size	1-24	27	14.5%	22	11.8%	57	30.6%	50	26.9%	30	16.1%	3.18
	25-49	26	13.0%	38	19.0%	54	27.0%	56	28.0%	26	13.0%	3.09
	50-99	12	9.2%	23	17.6%	34	26.0%	36	27.5%	26	19.8%	3.31
	100-249	19	6.4%	37	12.5%	86	29.2%	99	33.6%	54	18.3%	3.45
	250+	8	6.4%	15	12.0%	35	28.0%	39	31.2%	28	22.4%	3.51
Agency Type	Fire Departments	72	9.5%	106	14.1%	217	28.8%	225	29.8%	134	17.8%	3.32
	EMS Departments	18	12.8%	25	17.7%	38	27.0%	42	29.8%	18	12.8%	3.12
	Special	2	4.8%	4	9.5%	11	26.2%	13	31.0%	12	28.6%	3.69

		College/University										Avg
		1		2		3		4		5		
		n	%	n	%	n	%	n	%	n	%	
Agency Size	1-24	117	62.6%	28	15.0%	29	15.5%	5	2.7%	8	4.3%	1.71
	25-49	121	61.4%	41	20.8%	19	9.6%	8	4.1%	8	4.1%	1.69
	50-99	79	60.8%	31	23.8%	15	11.5%	3	2.3%	2	1.5%	1.60
	100-249	174	60.0%	67	23.1%	29	10.0%	12	4.1%	8	2.8%	1.67
	250+	73	58.4%	33	26.4%	14	11.2%	4	3.2%	1	.8%	1.62
Agency Type	Fire Departments	457	61.0%	164	21.9%	85	11.3%	24	3.2%	19	2.5%	1.64
	EMS Departments	86	61.4%	25	17.9%	16	11.4%	8	5.7%	5	3.6%	1.72
	Special	21	52.5%	11	27.5%	5	12.5%			3	7.5%	1.83

		Other										Avg
		1		2		3		4		5		
		n	%	n	%	n	%	n	%	n	%	
Agency Size	1-24	51	57.3%	9	10.1%	11	12.4%	9	10.1%	9	10.1%	2.06
	25-49	50	52.6%	11	11.6%	15	15.8%	9	9.5%	10	10.5%	2.14
	50-99	29	59.2%	1	2.0%	12	24.5%	3	6.1%	4	8.2%	2.02
	100-249	62	53.9%	15	13.0%	19	16.5%	5	4.3%	14	12.2%	2.08
	250+	26	52.0%	2	4.0%	11	22.0%	5	10.0%	6	12.0%	2.26
Agency Type	Fire Departments	180	54.7%	33	10.0%	57	17.3%	26	7.9%	33	10.0%	2.09
	EMS Departments	30	56.6%	4	7.5%	8	15.1%	5	9.4%	6	11.3%	2.11
	Special	8	50.0%	1	6.3%	3	18.8%			4	25.0%	2.44

Table J-3: Likelihood of Adopting APCO Project 25 Standards

		Likelihood of adopting APCO Project 25 Standards										Avg
		1		2		3		4		5		
		n	%	n	%	n	%	n	%	n	%	
Agency Size	1-24	38	23.6%	21	13.0%	74	46.0%	18	11.2%	10	6.2%	2.63
	25-49	33	19.2%	32	18.6%	82	47.7%	16	9.3%	9	5.2%	2.63
	50-99	18	17.6%	12	11.8%	47	46.1%	18	17.6%	7	6.9%	2.34
	100-249	18	9.2%	21	10.8%	76	39.0%	35	17.9%	45	23.1%	3.35
	250+	8	8.1%	5	5.1%	24	24.2%	22	22.2%	40	40.4%	3.32
Agency Type	Fire Departments	92	15.8%	74	12.7%	241	41.3%	90	15.4%	87	14.9%	3.01
	EMS Departments	16	13.6%	14	11.9%	53	44.9%	18	15.3%	17	14.4%	3.05
	Special	7	25.9%	3	11.1%	9	33.3%	1	3.7%	7	25.9%	2.93

Table J-4: Agencies Plans to Upgrade versus Familiarity with APCO Project 25 Standards

		Familiarity with APCO Project 25 Standards										Avg
		1		2		3		4		5		
		n	%	n	%	n	%	n	%	n	%	
Plan to Replace	Yes	348	65.2%	60	11.2%	58	10.9%	39	7.3%	29	5.4%	1.77
	No	317	78.9%	39	9.7%	21	5.2%	14	3.5%	11	2.7%	1.42

Table J-5: Agencies Plans to Upgrade versus Likelihood of Adopting APCO Project 25 Standards

		Likelihood of Adopting APCO Project 25 Standards										Avg
		1		2		3		4		5		
		n	%	n	%	n	%	n	%	n	%	
Plan to Replace	Yes	48	11.9%	46	11.4%	164	40.5%	78	19.3%	69	17.0%	3.18
	No	65	21.0%	43	13.9%	132	42.7%	30	9.7%	39	12.6%	2.79

Table J-6: Agencies Confidence in Training Preparedness

		Confidence in Training Preparedness										Avg
		1		2		3		4		5		
		n	%	n	%	n	%	n	%	n	%	
Agency Size	1-24	11	5.6%	31	15.9%	86	44.1%	51	26.2%	16	8.2%	3.15
	25-49	8	4.0%	41	20.3%	95	47.0%	46	22.8%	12	5.9%	3.06
	50-99	6	4.6%	23	17.7%	56	43.1%	40	30.8%	5	3.8%	3.12
	100-249	17	5.6%	53	17.4%	132	43.4%	90	29.6%	12	3.9%	3.09
	250+	8	6.1%	22	16.8%	60	45.8%	32	24.4%	9	6.9%	3.09
Agency Type	Fire Departments	41	5.3%	132	17.1%	348	45.0%	211	27.3%	42	5.4%	3.10
	EMS Departments	8	5.6%	34	23.6%	59	41.0%	37	25.7%	6	4.2%	2.99
	Special	1	2.3%	4	9.1%	22	50.0%	11	25.0%	6	13.6%	3.39

Table J-7: Agencies Participation in Joint Training versus Confidence in Training Preparedness

		Confidence in Training Preparedness										Avg
		1		2		3		4		5		
		n	%	n	%	n	%	n	%	n	%	
Participate In Joint Training	Yes	24	3.1%	124	16.3%	341	44.7%	227	29.8%	47	6.2%	3.20
	No	26	13.8%	43	22.8%	85	45.0%	29	15.3%	6	3.2%	2.71

Table J-8: Agencies Confidence in Training Preparedness versus Confidence in Ability to Handle Day-to-Day Interoperability

		Confidence in Ability to Handle Day-to-Day Interoperability										Avg
		1		2		3		4		5		
		n	%	n	%	n	%	n	%	n	%	
Confidence in Training	Unprepared	34	15.8%	18	8.4%	51	23.7%	59	27.4%	53	24.7%	3.37
	Prepared	39	5.4%	38	5.3%	122	17.0%	216	30.1%	302	42.1%	3.98

Table J-9: Agencies Confidence in Training Preparedness versus Confidence in Ability to Handle Mutual Aid Interoperability

		Confidence in Ability to Handle Mutual Aid Interoperability										Avg
		1		2		3		4		5		
		n	%	n	%	n	%	n	%	n	%	
Confidence in Training	Unprepared	43	20.1%	57	26.6%	46	21.5%	48	22.4%	20	9.3%	2.74
	Prepared	56	7.8%	82	11.4%	211	29.4%	191	26.6%	177	24.7%	3.49

Table J-10: Agencies Confidence in Training Preparedness versus Confidence in Ability to Handle Task Force Interoperability

		Confidence in Ability to Handle Task Force Interoperability										Avg
		1		2		3		4		5		
		n	%	n	%	n	%	n	%	n	%	
Confidence in Training	Unprepared	109	53.4%	42	20.6%	32	15.7%	16	7.8%	5	2.5%	1.85
	Prepared	170	26.4%	128	19.8%	166	25.7%	94	14.6%	87	13.5%	2.69